EPSON®
EXCEED YOUR VISION

# PowerLite® 1945W, 1955 and 1965

## MULTIMEDIA PROJECTORS

PowerLite 1945W shown

## Bright. Secure. Full-featured.

Keep presentations shining bright, even in ambient light, with the PowerLite 1945W, 1955 and 1965. Designed for both working professionals and educators, this family of bright, feature-packed solutions projects vibrant images in virtually any setting. Perfectly portable, these sleek projectors can be easily carried between meeting rooms and classrooms or can be installed in small- to medium-size venues. A secure wireless connection eliminates cables and streamlines the process with easy networking options, while automatic vertical and horizontal keystone correction gives you immediate positioning flexibility. Enjoy smooth video images with award-winning Faroudja DCDi® technology, which reduces jagged images. Project engaging, larger-than-life content with the PowerLite 1900 series.

**Bright, brilliant picture with 3LCD, 3-chip technology** — 4200 lumens color/white light output[1], WXGA widescreen resolution (1945W), 4500 lumens color/white light output[1], XGA resolution (1955) and 5000 lumens color/white light output[1], XGA resolution (1965)

**Integrated wireless performance with advanced security features** — connect to wireless networks via the integrated module, includes advanced security protocol support

**Feature-rich** — Split Screen[2], Multi-PC display, PC-free presentation with video capabilities and PDF support, automatic horizontal/vertical image correction, Screen Fit tool, DICOM Simulation Mode[3] and more

# PowerLite® 1945W/1955/1965 MULTIMEDIA PROJECTORS

## The best-selling projectors in the world.

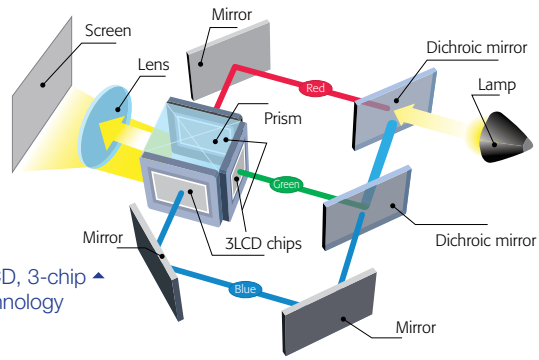
Epson offers a wide range of high-quality projectors to meet most any need. Built with image quality and reliability in mind, EPSON® projectors enhance communication and inspire collaboration, while offering a low total cost of ownership. From ultraportable projectors designed for educational settings to boardroom-ready installable business projectors, Epson has the model made for you.

## Brilliant Image Quality

### 3LCD technology — for quality and color that's beyond amazing

Innovative technology with proven reliability

- 3 chips for full-time, vibrant color
- 25% less electricity required per lumen of brightness when compared to 1-chip DLP projectors[4]
- Over 20 years of road-tested reliability built into every projector




3LCD, 3-chip technology

### WXGA (1280 x 800), 16:10 native resolution — for remarkable detail and widescreen convenience (1945W only)

The widescreen PowerLite 1945W is ideal for use with the latest-generation widescreen computers and great for projecting a wide variety of content. Its native 16:10 aspect ratio allows you to fully utilize the capabilities of your widescreen computer, giving you 30% more image area than a 4:3 image.

The PowerLite 1945W also allows you to display 4:3 content without losing image quality.

PowerLite 1955/1965

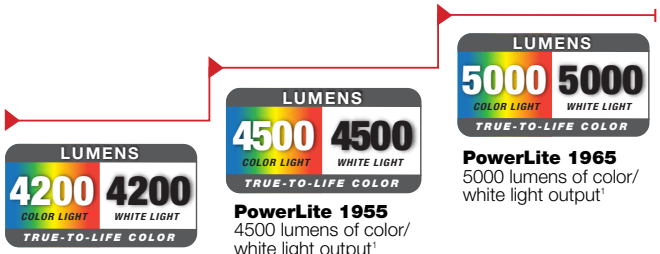
XGA (1024 x 768) resolution

PowerLite 1945W

WXGA (1280 x 800) resolution

### Amazing color and white light output

The PowerLite 1900 Series delivers true-to-life, vibrant, colorful images, even in ambient light. For today's color-rich, multimedia content, users want a projector that delivers both optimum white and color imagery. That is why the industry has developed a new metric called Color Light Output.




**PowerLite 1945W**
4200 lumens of color/ white light output[1]

**PowerLite 1955**
4500 lumens of color/ white light output[1]

**PowerLite 1965**
5000 lumens of color/ white light output[1]

### Always look for Color Light Output when choosing a projector

- For optimum image quality and performance, the projector you choose should offer equal levels of color and white light output
- When the two measurements are not identical, images do not look balanced
- Whites may be brighter, making the colored areas look dull and flat
- The combination of color richness (color light output) and brightness (white light output) is as critical as the combination of bass and treble would be when purchasing audio equipment

Actual photographs of images taken from two competing projectors run in default mode. Price, resolution and brightness (white light output) are the same for both projectors.

# Advanced Networking Features and Cutting Edge Technology

## Advanced wireless security protocol

The integrated wireless module supports robust wireless network security protocols that prevent information leakage in an enterprise environment. The PowerLite 1945W, 1955 and 1965 offer security features such as WEP, WPA-PSK, WPA-EAP, WPA2-PSK and WPA2-EAP. These security features are also available in Quick Connection Mode.

## EPSON iProjection App via Networked Projector

iOS device users can project and share their presentation files, photos and more from their iPad®/iPod®/iPhone® via the EPSON iProjection application.

For more information, visit www.epson.com/ProjectorApp

## Message Broadcasting[5]

- Broadcast customized images/alerts over the network for announcements or instructions
- Send messages to up to 1024 projectors simultaneously (message will overwrite the current screen content if the projector is being used, unless this function is disabled by the presenter)
- If the projector is off, message broadcasting will turn it on and display the message

## Monitor/control projectors remotely

Easily monitor and control networked EPSON projectors using the included EasyMP® software

- Schedule remote power on/off functionality; saves energy, money and time
- Check the status of each projector as part of your maintenance routine
- Access maintenance alerts for connected projectors, right from your office
- Crestron RoomView enabled — monitor and control your projector with your existing RoomView software

CERTIFIED CRESTRON Integrated Partner

## Digital DisplayPort and HDMI connectivity

DisplayPort and an HDMI digital display interface enable the projector to easily project digital content including video and audio. Both are compatible with the latest laptops, Blu-ray®, DVD and other media players. Future proof your digital content.

## Split Screen[2] feature

Project two images (video or still) side-by-side from two different sources simultaneously. You can choose from three layout options, swap the images/display sizes, choose the source for the audio and even display closed captioning if the source signal includes it.

**Layout Option-1:** 50-50% Split Screen

**Layout Option-2:** Main image on the left

**Layout Option-3:** Main image on the right

### Multi-PC projection

EPSON Multi-PC Collaboration utility allows you to display four individual PC screens simultaneously over the network with up to 32 PCs connected to the same projector. This feature is a great tool for meetings or classroom projects where multiple users can present and share ideas and graphics.

# Ease of Use

### PC-free presentations including video and PDFs

Just plug your USB hard drive into the USB port, and you are ready to display documents, movies and images stored on your USB drive. Present a slideshow or movie without having to connect to a PC.

Compatible with the following file formats:

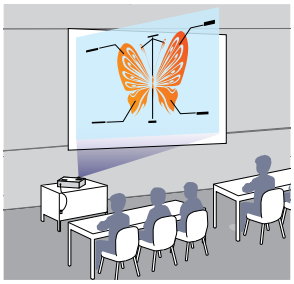
- Image files: PDF, JPEG, BMP, GIF, PNG
- Movie files: MPEG, WMV

### Screen Fit

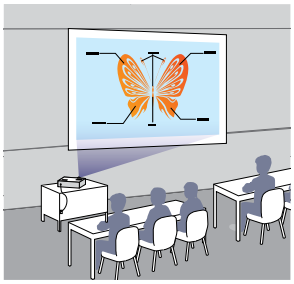
This advanced tool uses an auto-sensing feature that adjusts the image size to fit within a frame with a push of a button Whether it's a screen or a board.

### Real-time vertical and horizontal keystone correction

With real-time vertical and horizontal keystone correction, the projector will always display a rectangular image by automatically detecting and correcting the keystoning with a push of a button.



Without horizontal keystone

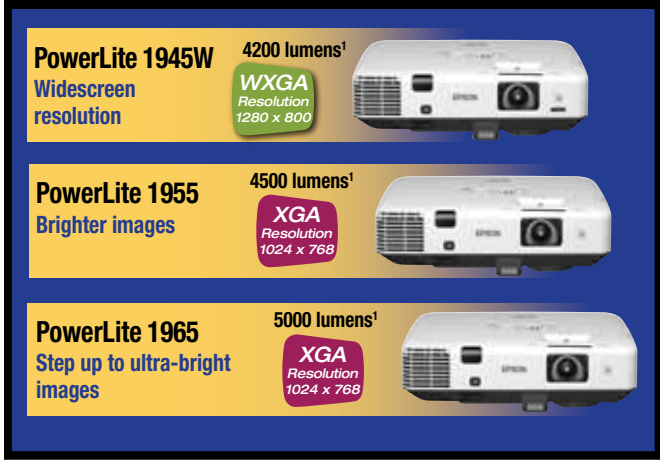


With horizontal keystone

### Fast, easy setup and control

- USB Plug 'n Play — simply connect your PC to the projector and start presenting
- 1.6x optical zoom — offers great positioning flexibility to fit large or small rooms
- Focus Help — offers assistance for installers via a striped pattern and focus dial
- A/V Mute Slide — control your presentation; it's right at your fingertips
- Sleep Mode — set from 1 to 30 minutes to save energy when the A/V Mute Slide is closed or no signal is detected
- Direct Power On/Off — power the projector on and off with the flip of a wall switch
- Instant Off® — no cool-down time required, so it is ready to shut down when you are

## The EPSON 1900 series multimedia projectors
## Model Comparison




Better Products for a Better Future™

For more information on Epson's environmental programs, go to eco.epson.com

### Eco Features

- Energy-efficient 3LCD light engine[4]
- Recyclable product[6]
- Epson America, Inc. is a SmartWay℠ Transport Partner[7]

SmartWay℠ Transport Partner
Getting There With Cleaner Air

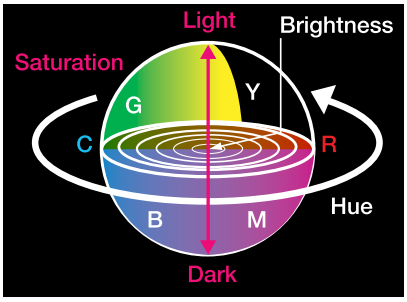
# Full Featured Performance

## Award-winning Faroudja DCDi Cinema for advanced video quality

Faroudja DCDi Cinema is a video enhancement technology, used primarily for film viewing, that produces exceptional image quality without introducing artifacts. Faroudja developed DCDi (Directional Correlational Deinterlacing) to reduce jagged images by using a unique algorithm. This algorithm, in combination with the technology's decoding, deinterlacing and enhancement features, won an Emmy Award from the National Academy of Television Arts and Sciences.

## Advanced color adjustments

For special projection material such as high-quality photographs or artwork, users can adjust the hue, saturation and brightness for six colors, RGBCMY (Red, Green, Blue, Cyan, Magenta, Yellow).




## DICOM Simulation Mode[3]

DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The projector's DICOM Simulation Mode enables users to reproduce images with an advanced grayscale level that simulates DICOM Part 14. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

▲ Normal Mode

▲ DICOM Simulation Mode

## PowerLite 1945W, 1955 and 1965 Features

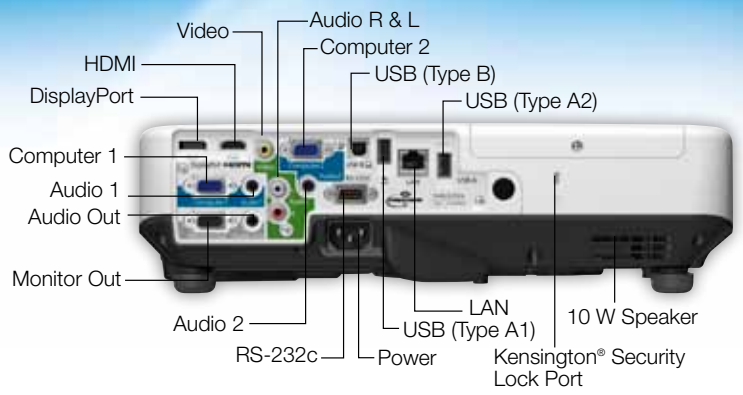
- **Bright, brilliant performance** — 4200 lumens color/white light output[1] (1945W), 4500 lumens color/white light output[1] (1955) and 5000 lumens color/white light output[1] (1965)
- **Remarkable detail** — XGA resolution (1955 and 1965); widescreen WXGA resolution (1945W); 3LCD, 3-chip technology; up to 3000:1 contrast ratio
- **Powerful video performance** — Faroudja DCDi Cinema, deinterlacing, noise reduction and sharpness enhancement for ultra-smooth video
- **Advanced wireless security protocol** — ideal for corporate applications; compatible with WEP, WPA, WPA2 and more
- **Digital DisplayPort and HDMI connectivity** — easily transmit both audio and video
- **Split Screen[2] feature** — project two images (video or still) side-by-side from two different sources simultaneously
- **Multi-PC projection** — display up to four individual screens simultaneously over the network to a total of 32 users
- **PC-free video and slideshows** — display video (MPEG, WMV) and images from your USB hard drive (supports PDF, JPEG, BMP, GIF and PNG files)
- **Network monitor and control** — included EPSON monitor software allows for remote monitor and control of EPSON networked projectors; also compatible with Crestron® RoomView®
- **Message broadcasting[5]** — broadcasts customized images/alerts over the network for announcements or instructions
- **Site survey function** — easily find the SSID for your wireless LAN
- **EPSON iProjection™** — share files and photos from mobile Apple® devices via your wireless or networked EPSON projector
- **Schedule function** — easily control your projector at non-networked locations through the embedded "clock" inside
- **Automatic image adjustments** — automatic, real time, horizontal and vertical keystone correction for greater positioning flexibility
- **DICOM Simulation Mode[3]** — ideal for viewing grayscale images, such as X-rays, for training and educational purposes

EPSON®
EXCEED YOUR VISION

# PowerLite® 1945W, 1955, 1965

Multimedia Projectors

| Product Name | Product Code | UPC |
|---|---|---|
| PowerLite 1945W | V11H471020 | 0 10343 90011 0 |
| PowerLite 1955 | V11H490020 | 0 10343 90074 5 |
| PowerLite 1965 | V11H470020 | 0 10343 90012 7 |
| Genuine EPSON Lamp | V13H010L75 | 0 10343 90015 8 |
| Replacement Air Filter | V13H134A41 | 0 10343 90013 4 |




## Specifications

**Projection System**
High-aperture EPSON 3LCD, 3-chip technology

**Projection Method**
Front/ceiling mount, table

**LCD Driving Method**
EPSON Poly-silicon TFT Active Matrix

**Pixel Number**
PowerLite 1945W: 1,024,000 x 3LCDs
PowerLite 1955: 786,432 x 3LCDs
PowerLite 1965: 786,432 x 3LCDs

**Color Light Output**[1]
PowerLite 1945W: 4200 lumens
PowerLite 1955: 4500 lumens
PowerLite 1965: 5000 lumens

**White Light Output**[1] **(ISO 21118 standard)**
PowerLite 1945W: 4200 lumens
PowerLite 1955: 4500 lumens
PowerLite 1965: 5000 lumens

**Aspect Ratio**
PowerLite 1945W: Native 16:10
PowerLite 1955: Native 4:3
PowerLite 1965: Native 4:3

**Native Resolution**
PowerLite 1945W: WXGA (1280 x 800)
PowerLite 1955: XGA (1024 x 768)
PowerLite 1965: XGA (1024 x 768)

**Contrast Ratio (Normal, Dynamic Mode)**
Up to 3000:1

**Color Reproduction**
16.77 million colors

**Lamp Type**
245 W UHE

**Lamp Life**[8]
Up to 4000 hours (ECO Mode)
Up to 2500 hours (Normal Mode)

**Brightness Uniformity (typical)**
89%

**Pixel Arrangement**
Cross stripe

## Projection Lens

**Screen Throw Ratio Range**
1.38 – 2.24

**Size (projected distance)**
PowerLite 1945W: 29" – 280"
PowerLite 1955: 30" – 300"
PowerLite 1965: 30" – 300"

**Type**
Manual zoom/focus

**F-number:** 1.51 – 1.99

**Focal Length**
18.2 mm – 29.2 mm

**Zoom Ratio**
Optical zoom 1.0 – 1.6

**Keystone Correction**
Vertical: -30 degrees to +30 degrees
Horizontal: -30 degrees to +30 degrees

## Video

**Video Standards**
Analog: NTSC/NTSC4.43/PAL/M-PAL/N-PAL/ PAL60/SECAM
HDMI: 480i/576i/480p/576p/720p/1080i/1080p

**Video Processing**
3D Y/C separation, 3D noise reduction, mosquito noise reduction
DCDi – Directional Correlational Deinterlacing
Motion-compensated Interlace-Progressive conversion (2:2, 3:2 film detection)
Closed captioning

## Networking

**Connectivity**
Wired: Integrated 10/100Mbps
Wireless: 802.11b/g/n

**Wireless Security:**
WEP
WPA-PSK (AES / TKIP)
WPA-EAP (PEAP / PEAP-TLS / EAP-TLS / EAP-Fast / LEAP)
WPA2-PSK (AES / TKIP)
WPA2-EAP (PEAP / PEAP-TLS / EAP-TLS / EAP-Fast / LEAP)

**Remote Control and Management**
EasyMP Monitor
AMX Duet and Device Discovery
Crestron Integrated Partner and RoomView
PJLink

## Interfaces

DisplayPort
HDMI
Computer: D-sub 15 pin x 2
Video: RCA
Wired Network: RJ-45
Wireless Network: WLAN
Serial: RS-232c
Monitor-Out: D-sub 15 pin
USB (Type A1): For document camera
USB (Type A2): For PC-Free
USB (Type B): For computer

## Other

**Speaker:** 10 W mono

**Audio Output:** 3.5 mm Jack

**Operating Temperature**
41 ° to 95 °F (5 ° to 35 °C)

**Power Supply Voltage**
100 – 240 V ±10%, 50/60 Hz AC

**Power Consumption**
1945W – 311 W
1955 – 353 W
1965 – 353 W
3.8 W standby (Network on)
0.5 W standby (Network off)

**Fan Noise**
37 dB (Normal Mode)
29 dB (ECO Mode)

**Security**
Kensington – style lock provision, anchor (metal) bar for security lock or cable

## Dimensions (W x D x H)

**Excluding feet**
14.8" x 10.7" x 3.6" (377 x 271 x 93 mm)

**Weight**
8.5 lb (3.9 kg)

## Remote Control

**Features**
Color mode, brightness, contrast, tint, color saturation, sharpness, input signal, sync, source search, Split Screen[2]

**Operating Angle**
Front: Upper/lower 0 to +16 degrees
Left/Right: N/A
Rear: N/A

**Operating Distance**
39" – 138"

## Support

**The EPSON Connection℠**
Pre-sales support
U.S. and Canada 800-463-7766
Internet website www.epson.com

**Service Programs**
Two-year projector limited warranty, 90-day limited lamp warranty, EPSON Road Service program and PrivateLine® dedicated toll-free support (U.S. and Canada only)

## What's in the Box

A PowerLite projector, power cable, computer cable, projector remote control, batteries, user manual CD, Quick Setup Sheet, PrivateLine support card, password protection sticker, monitor and control CD

## Optional Accessories

| | |
|---|---|
| Geniune EPSON lamp | V13H010L75 |
| Replacement air filter | V13H134A41 |
| Replacement remote control | 1566064 |
| Universal projector ceiling mount | ELPMBPJF |
| Adjustable suspended ceiling channel kit | ELPMBP01 |
| False ceiling plate kit | ELPMBP02 |
| Wireless LAN module | V12H418P13 |
| Kensington security lock | ELPSL01 |
| Carrying case | V12H001K65 |

## Packaging Specifications

**PowerLite 1945W, 1955, 1965**
Dimensions: 20.35" x 13.46" x 7.7" (W x D x H)
Weight: 12.6 lbs (5.5kg)

**Genuine EPSON Lamp**
Dimensions: 6.1" x 5.4" x 5.5" (W x D x H)
Weight: 0.9 lbs (0.42kg)
Master Carton
Dimensions: 28.1" x 12.9" x 6.4" (W x D x H)
Weight: 11.4 lbs (5.17kg)
Quantity: 10

**Replacement Air Filter**
Dimensions: 7.9" x 3.1" x 1.0" (W x D x H)
Weight: 0.1 lbs (46g)
Master Carton
Dimensions: 11.1" x 8.1" x 3.3" (W x D x H)
Weight: 1.4 lbs (0.64kg)
Quantity: 10

1 Color and white light output will vary depending on mode selected. White light output measured using ISO 21118 standard.
2 Consult your user manual for input combinations.
3 This projector does not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.
4 Data source: ProjectorCentral.com Jan. 2012. Average of 1122 shipping models for which the manufacturers provided lumens and total power data, all resolutions and brightness levels. Energy effciency was measured as wattage per lumen. It was measured for both 3LCD and 1-chip projectors in each of five brightness segments. 3LCD projectors averaged less required electricity per lumen in each of the five segments.
5 Works only with EPSON projectors that support presentation over the network capability.
6 See our website for convenient and reasonable recycling options at www.epson.com/recycle
7 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.
8 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

**Epson America, Inc.**
3840 Kilroy Airport Way, Long Beach, CA 90806

**Epson Canada Limited**
185 Renfrew Drive, Markham, Ontario L3R 6G3

**www.epson.com**
**www.epson.ca**

Specifications subject to change without notice. EPSON, EasyMP, Instant Off and PowerLite are registered trademarks, EPSON Exceed Your Vision is a registered logomark and Better Products for a Better Future and EPSON iProjection are trademarks of Seiko Epson Corporation. PrivateLine is a registered trademark and EPSON Connection is a service mark of Epson America, Inc. Apple, iPad, iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries. SmartWay is a service mark of the U.S. Environmental Protection Agency. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2012 Epson America, Inc. CPD-36757R2 5/12